



STIC Search Report

EIC 1700

STIC Database Tracking Number: 151226

TO: Veronica Faison
Location: REM 9D28
Art Unit : 1755 9011
April 27, 2005

Case Serial Number: 10/691255

From: Usha Shrestha
Location: EIC 1700
REMSSEN 4B28
Phone: 571/272-3519
usha.shrestha@uspto.gov

Search Notes

We have performed a structure search for tetra-amide compound both on Registry file and Casreact but didn't get any good answers when scanned. We have also looked the US Patent Number 4,830,671 on Hcap file to check how the compound is index, it also didn't index as tetra-amide compound. We have included it on the search report FYI, since it has the similar structure to your search request. Thank you.



STIC Search Report

EIC 1700

STIC Database Tracking Number: 151226

**TO: Veronica Faison
Location: REM 9D28
Art Unit : 1755
April 27, 2005**

Case Serial Number: 10/691255

**From: Usha Shrestha
Location: EIC 1700
REMSSEN 4B28
Phone: 571/272-3519
usha.shrestha@uspto.gov**

Search Notes



STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Kathleen Fuller, EIC 1700 Team Leader
571/272-2505 REMSEN 4B28

Voluntary Results Feedback Form

- I am an examiner in Workgroup: Example: 1713
- Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

- Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

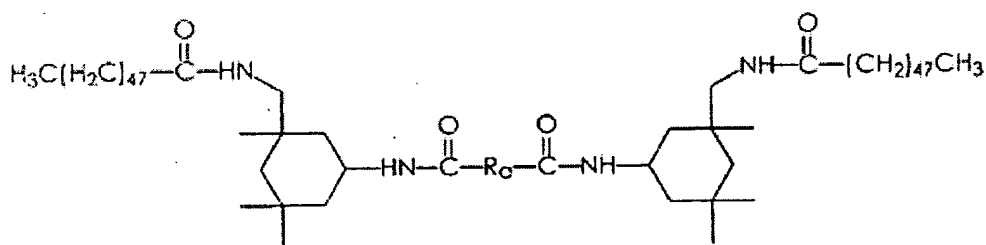
Comments:

Mellerson, Kendra

151226

From: Faison, Veronica
Sent: Tuesday, April 19, 2005 4:14 PM
To: STIC-EIC1700
Cc: Lorengo, Jerry
Subject: structure search for 10/691,255

Please search this structure below



wherein R_a is a branched alkylene group having about 34 carbon atoms and which may include unsaturations and cyclic groups, more specifically a group of the formula $C_{34}H_{62+n}$ wherein n is an integer of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, or 10; at least some isomers of the tetra-amide product were believed to be of the formula

which appears on page 57 of the specification in serial number 10/691,255.

Thank You,

Veronica F. Faison
Patent Examiner
Art Unit 1755
571-272-1366
REM 9D28



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Bib Data Sheet

CONFIRMATION NO. 5441

SERIAL NUMBER 10/691,255	FILING DATE 10/22/2003 RULE	CLASS 106	GROUP ART UNIT 1755	ATTORNEY DOCKET NO. D/A0414
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APPLICANTS

Bo Wu, Wilsonville, OR;

Michael B. Meinhardt, Salem, OR;

Jeffery H. Banning, Hillsboro, OR; Donald R. Titterington, Newberg, OR;

** CONTINUING DATA *****

** FOREIGN APPLICATIONS *****

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 01/21/2004

Foreign Priority claimed 35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY OR	SHEETS DRAWING 0	TOTAL CLAIMS 75	INDEPENDENT CLAIMS 2
Verified and Acknowledged	Examiner's Signature _____ Initials _____				

ADDRESS

25453
 PATENT DOCUMENTATION CENTER
 XEROX CORPORATION
 100 CLINTON AVE., SOUTH, XEROX SQUARE, 20TH FLOOR
 ROCHESTER, NY
 14644

TITLE

Process for preparing tetra-amide compounds

FILING FEE RECEIVED	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time)

ABSTRACT OF THE DISCLOSURE

Disclosed is a process for preparing a tetra-amide which comprises carrying out a condensation reaction between a diacid, a monoacid, and a diisocyanate, thereby forming a tetra-amide. Also disclosed is a process for preparing a phase change ink composition which comprises (a) carrying out a condensation reaction between a diacid, a monoacid, and a diisocyanate, thereby forming a tetra-amide; and (b) admixing the tetra-amide thus formed with a colorant, thereby forming a phase change ink.

=> fil reg

FILE 'REGISTRY' ENTERED AT 11:47:53 ON 27 APR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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=> d his

FILE 'CASREACT' ENTERED AT 08:59:42 ON 27 APR 2005

L1 STR
L2 STR L1
L3 8 S L2 SAM
L4 SCR 1918
L5 16 S L2 NOT L4
L6 248 S L2 NOT L4 FUL
L7 0 S L6 AND (TETRAAMIDE? OR TETRA(A)AMIDE?)
L8 0 S L6 AND PHASE(A)CHANG?(2A)INK?
L9 0 S L6 AND INK?
L10 STR
L11 0 S L10 SAM SUB=L6
L12 0 S L6 AND TETRA(A)AMID?

FILE 'REGISTRY' ENTERED AT 11:05:42 ON 27 APR 2005

L13 STR L10
L14 6 S L13
L15 117 S L13 FUL
SAV L15 FAI255/A

FILE 'HCAPLUS' ENTERED AT 11:28:08 ON 27 APR 2005

L16 248 S L6
E US4830671/PN
L17 1 S E3
SEL RN

FILE 'REGISTRY' ENTERED AT 11:30:01 ON 27 APR 2005

L18 2 S E1-E2
L19 0 S L10 SAM SUB=L15

FILE 'HCAPLUS' ENTERED AT 11:32:11 ON 27 APR 2005

L20 0 S L16 AND (TETRAAMID? OR TETRA(A)AMID?)
L21 0 S L16 AND INK?
L22 34 S L15
L23 0 S L22 AND PHASE?(A)CHANG?
L24 0 S L22 AND INK?
L25 0 S L16 AND PHASE?(A)CHANG?

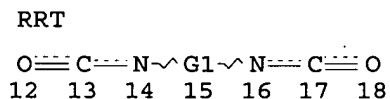
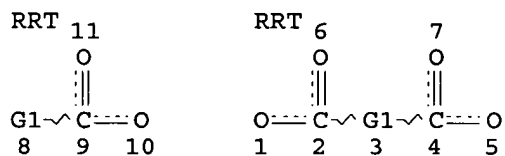
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=> fil casreact

FILE 'CASREACT' ENTERED AT 11:48:17 ON 27 APR 2005
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=> d que 16

L2 STR

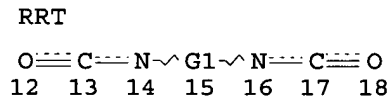
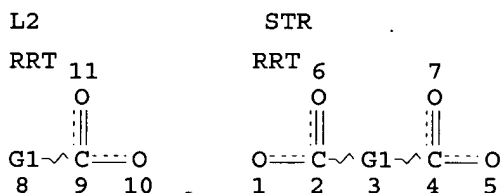


VAR G1=AK/CB
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 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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STEREO ATTRIBUTES: NONE
 L4 SCR 1918
 L6 248 SEA FILE=CASREACT SSS FUL L2 NOT L4 (4510 REACTIONS)

=> d que 126



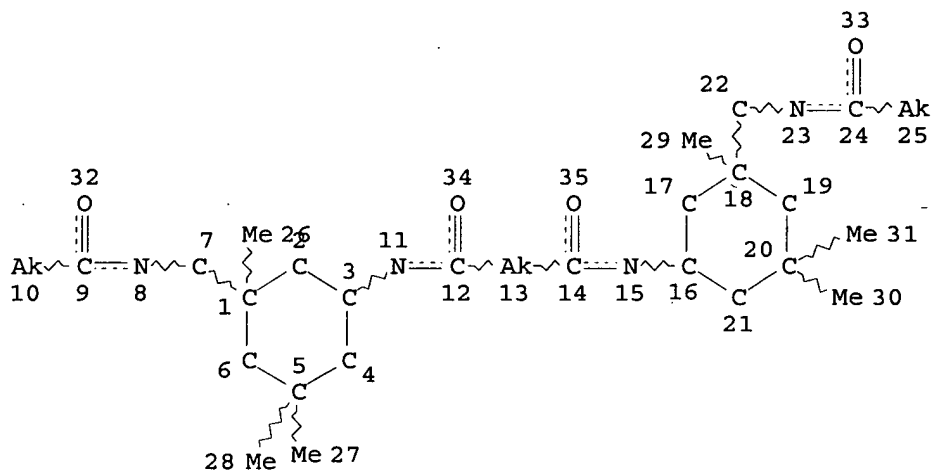
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GRAPH ATTRIBUTES:
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 NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE
 L4 SCR 1918
 L6 248 SEA FILE=CASREACT SSS FUL L2 NOT L4 (4510 REACTIONS)

L10

STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 35

STEREO ATTRIBUTES: NONE

L26 0 SEA FILE=CASREACT SUB=L6 SSS FUL L10 (0 REACTIONS)

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 11:55:24 ON 27 APR 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

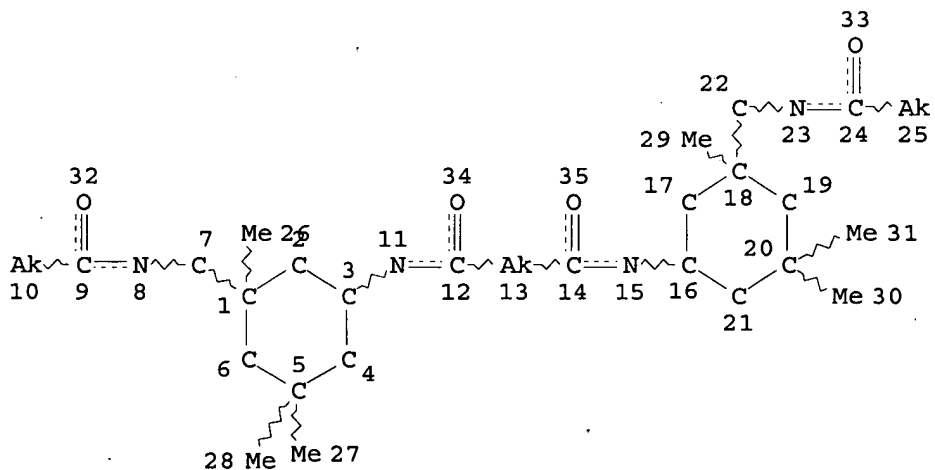
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=> d que 127

L10

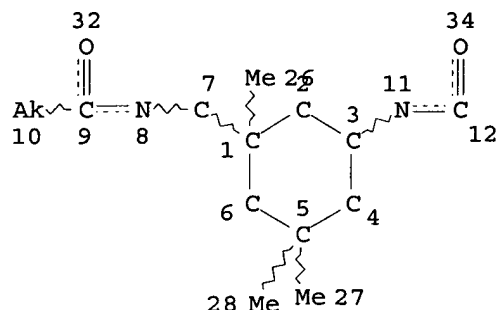
STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 35

STEREO ATTRIBUTES: NONE
 L13 STR



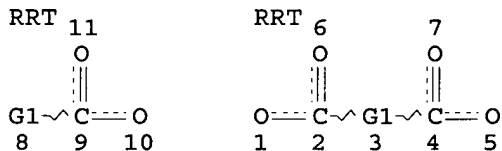
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 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 17

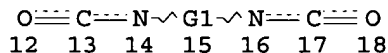
STEREO ATTRIBUTES: NONE
 L15 117 SEA FILE=REGISTRY SSS FUL L13
 L27 0 SEA FILE=REGISTRY SUB=L15 SSS FUL L10

=> d que 120

L2 STR



RRT



VAR G1=AK/CB
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L4 SCR 1918
 L6 248 SEA FILE=CASREACT SSS FUL L2 NOT L4 (4510 REACTIONS)
 L16 248 SEA FILE=HCAPLUS ABB=ON PLU=ON L6
 L20 0 SEA FILE=HCAPLUS ABB=ON PLU=ON L16 AND (TETRAAMID?
 OR TETRA(A)AMID?)

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 11:55:24 ON 27 APR 2005

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=> d 117

L17 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1989:499139 HCAPLUS

DN 111:99139

TI Oligomeric polyamides based on polymerized fatty acids for binders
 for jet-printing inks

IN Frihart, Charles R.; Pavlin, Mark S.

PA Union Camp Corp., USA

SO Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	
PI	EP 307933	A2	19890322	EP 1988-115195	1988 0916
	EP 307933	A3	19900919		
	EP 307933	B1	19921119		
	R: BE, DE, FR, GB, IT, NL				
	US 4830671	A	19890516	US 1987-98447	1987 0918
				<--	
	JP 01104676	A2	19890421	JP 1988-230226	1988 0916
	JP 06074393	B4	19940921		
PRAI	US 1987-98447	A	19870918		

=> d scan 117

L17 1 ANSWERS HCAPLUS COPYRIGHT 2005 ACS on STN

IC ICM C09D011-00

CC 42-12 (Coatings, Inks, and Related Products)

TI Oligomeric polyamides based on polymerized fatty acids for binders
 for jet-printing inks

ST hot melt jet printing ink; oligomeric fatty acid polyamide ink
IT Polyamides, uses and miscellaneous
RL: USES (Uses)
(oligomers, polymerized fatty acid-based, for binders for hot-melt jet-printing inks)
IT Fatty acids, polymers
RL: USES (Uses)
(polymers, with diamines, oligomeric, reaction products with carboxylic acids, for binders for hot-melt jet-printing inks)
IT 57-11-4D, Stearic acid, reaction products with oligomeric polyamides of polymerized fatty acids and ethylenediamine 107-15-3D, Ethylenediamine, polyamides with polymerized fatty acids, reaction products with stearic acid
RL: USES (Uses)
(oligomeric, binders, for hot-melt jet-printing inks)

ALL ANSWERS HAVE BEEN SCANNED

=> fil hcap
FILE 'HCAPLUS' ENTERED AT 11:55:24 ON 27 APR 2005
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=> sel 117 rn
E3 THROUGH E4 ASSIGNED

=> fil reg
FILE 'REGISTRY' ENTERED AT 11:55:35 ON 27 APR 2005
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=> s e3-e4
1 107-15-3/BI
(107-15-3/RN)
1 57-11-4/BI
(57-11-4/RN)
L28 2 (107-15-3/BI OR 57-11-4/BI)

=> d scan

L28 2 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Octadecanoic acid (9CI)
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT
MF C18 H36 O2
CI COM

HO₂C- (CH₂)₁₆-Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L28 2 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 1,2-Ethanediamine (9CI)
MF C2 H8 N2
CI COM

$\text{H}_2\text{N}-\text{CH}_2-\text{CH}_2-\text{NH}_2$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED